

IN THE CLAIMS

Please amend claims 48, 51 and 54 as indicated below.

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (previously presented) A method for improving a selection of a graphic user interface (GUI) icon with a pointing device, comprising the steps of:

acquiring data corresponding to a motion of a pointing cursor on a display, said motion of said pointing cursor corresponding to a pointing device used to move said pointing cursor from a first source position to a first destination position on said display;

generating a set of motion vectors corresponding to said motion of said pointing cursor from said first source position to said first destination position; and

storing said set of motion vectors and said first destination position referenced to said first source position.

Claim 2 (previously presented) The method of claim 1 further comprising the steps of:

(a) generating, within an application program, a first motion vector for said pointing cursor on said display as said pointing cursor moves from a second source position in response to a motion of said pointing device;

(b) predicting a destination point icon in response to a compare of said second source position to a corresponding stored source position or a source position proximate to said second source position, wherein said corresponding stored source position which compares to said second source position also has stored said first motion vector or a motion vector proximate to said first motion vector; and

(c) highlighting said destination point icon.

Claim 3 (previously presented) The method of claim 2, further comprising the step of:

repeating said steps (a) through (c) until said highlighted destination point icon is actuated by a user of said pointing device.

Claim 4 (previously presented) The method of claim 1, further comprising the steps of:

(a) generating, within an application program, a first motion vector for said pointing cursor on said display as said pointing cursor moves from a second source position in response to a motion of said pointing device;

(b) predicting a destination point icon in response to a compare of said second source position to a corresponding stored source position or a source position proximate to said second source position, wherein said corresponding stored source position which compares to said second source position also has stored said first motion vector or a motion vector proximate to said first motion vector; and

(c) modifying a motion of said pointing cursor to more nearly follow ideal motion vectors from said first source position to said destination point icon.

Claim 5 (previously presented) The method of claim 4, further comprising the step of:

repeating said steps (a) through (c) until said predicted destination point icon is actuated by a user of said pointing device.

Claim 6 (original) The method of claim 1, wherein said display corresponds to a graphic user interface (GUI).

Claim 7 (original) The method of claim 1, wherein said first source position is a position of a predetermined source point icon.

Claim 8 (original) The method of claim 1, wherein said first destination position is a position of a predetermined destination point icon.

Claim 9 (original) The method of claim 1, wherein another of said motion vectors is generated each time said motion starts from a motion stop.

Claim 10 (original) The method of claim 1, wherein said motion vector comprises parameters defining a pointing cursor average velocity, starting position, stopping position, and motion direction.

Claim 11 (previously presented) The method of claim 2, wherein said set of motion vectors are stored in response to actuating said destination point icon.

Claim 12 (previously presented) The method of claim 1, wherein said set of motion vectors are associated with said first source position and source positions proximate to said first source position, and said first destination position and destination positions proximate to said first destination position.

Claim 13 (original) The method of claim 2, wherein said second source position corresponds to a position of a source point icon.

Claim 14 (original) The method of claim 2, wherein said pointing cursor locks to said destination point icon until said destination point icon is actuated by a user.

Claim 15 (original) The method of claim 2, wherein said pointing cursor locks to said destination point icon until a motion vector indicates a more likely destination point icon.

Claim 16 (previously presented) The method of claim 3, wherein said motion of said pointing cursor proceeds from said first source position to said destination point icon corresponding to an ideal motion vector, said ideal motion vector motion changed only if a new destination point icon is determined.

Claim 17 (previously presented) A computer program product, said computer program product embodied in a machine readable medium, including programming for a processor, said computer program comprising a program of instructions for performing the program steps of:

acquiring data corresponding to a motion of a pointing cursor on a display, said motion of said pointing cursor corresponding to a pointing device used to move

said pointing cursor from a first source position to a first destination position on said display;

generating a set of motion vectors corresponding to said motion of said pointing cursor from said first source position to said first destination position; and

storing said set of motion vectors and said first destination position referenced to said first source position.

Claim 18 (previously presented) The computer program product of claim 17 further comprising the steps of:

(a) generating, within an application program, a first motion vector for said pointing cursor on said display as said pointing cursor moves from a second source position in response to a motion of said pointing device;

(b) predicting a destination point icon in response to a compare of said second source position to a corresponding stored source position or a source position proximate to said second source position, wherein said corresponding stored source position which compares to said second source position also has stored said first motion vector or a motion vector proximate to said first motion vector; and

(c) highlighting said destination point icon;

Claim 19 (previously presented) The computer program product of claim 18, further comprising the step of:

repeating said steps (a) through (c) until said highlighted destination point icon is actuated by a user of said pointing device.

Claim 20 (previously presented) The computer program product of claim 17, further comprising the steps of:

(a) generating, within an application program, a first motion vector for said pointing cursor on said display as said pointing cursor moves from a second source position in response to a motion of said pointing device;

(b) predicting a destination point icon in response to a compare of said second source position to a corresponding stored source position or a source position proximate to said second source position, wherein said corresponding stored source

position which compares to said second source position also has stored said first motion vector or a motion vector proximate to said first motion vector; and

(c) modifying a motion of said pointing cursor to more nearly follow ideal motion vectors from said first source position to said destination point icon.

Claim 21 (previously presented) The computer program product of claim 20, further comprising the step of:

repeating said steps (a) through (c) until said predicted destination point icon is actuated by a user of said pointing device.

Claim 22 (original) The computer program product of claim 17, wherein said display corresponds to a graphic user interface (GUI).

Claim 23 (original) The computer program product of claim 17, wherein said first source position is a position of a predetermined source point icon.

Claim 24 (original) The computer program product of claim 17, wherein said first destination position is a position of a predetermined destination point icon.

Claim 25 (original) The computer program product of claim 17, wherein another of said motion vectors is generated each time said motion starts from a motion stop.

Claim 26 (original) The computer program product of claim 17, wherein said motion vector comprises parameters defining a pointing cursor average velocity, starting position, stopping position, and motion direction.

Claim 27 (previously presented) The computer program product of claim 18, wherein said set of motion vectors are stored in response to actuating said predetermined destination point icon.

Claim 28 (previously presented) The computer program product of claim 17, wherein said set of motion vectors are associated with said first source position and source positions proximate to said first source position, and said first destination position and destination positions proximate to said first destination position.

Claim 29 (original) The computer program product of claim 18, wherein said second source position corresponds to a position of a source point icon.

Claim 30 (original) The computer program product of claim 18, wherein said pointing cursor locks to said destination point icon until said destination point icon is actuated by a user.

Claim 31 (original) The computer program product of claim 18, wherein said pointing cursor locks to said destination point icon until a motion vector indicates a more likely destination point icon.

Claim 32 (previously presented) The computer program product of claim 19, wherein said motion of said pointing cursor proceeds from said first source position to said destination point icon corresponding to an ideal motion vector, said ideal motion vector motion changed only if a new destination point icon is determined.

Claim 33 (previously presented) A data processing system comprising:

- a central processing unit (CPU);

- a random access memory (RAM);

- a communications adapter coupled to a communication network;

- an I/O adapter

- a bus system coupling said CPU to said PROM, said communications adapter, said I/O adapter, and said RAM, wherein said CPU comprises:

- circuitry for acquiring data corresponding to a motion of a pointing cursor on a display, said pointing cursor corresponding to a pointing device used to move said pointing cursor from a first source position to a first destination position on said display;

- circuitry for generating a set of motion vectors corresponding to said motion of said pointing cursor from said first source position to said first destination position, said motion vectors having a vector source point, a magnitude and direction; and

- circuitry for storing said set of motion vectors and said first destination position referenced to said first source position.

Claim 34 (previously presented) The data processing system of claim 33, further comprising:

 circuitry for generating, within an application program, a first motion vector for said pointing cursor on said display as said pointing cursor moves from a second source position in response to a motion of said pointing device;

 circuitry for predicting a destination point icon in response to a compare of said second source position with a corresponding stored source position or a stored proximate source position having a stored corresponding said first motion vector or a proximate motion vector; and

 circuitry for highlighting said destination point icon.

Claim 35 (previously presented) The data processing system of claim 33, further comprising:

 circuitry for generating, within an application program, a first motion vector for said pointing cursor on said display as said pointing cursor moves from a second source position in response to a motion of said pointing device;

 circuitry for predicting a destination point icon in response to a compare of said second source position with a corresponding stored source position or a stored proximate source position having a stored corresponding said first motion vector or a proximate motion vector; and

 circuitry for modifying a motion of said pointing cursor to follow ideal motion vectors from said first source position to said destination point icon.

Claim 36 (original) The data processing system of claim 33, wherein said display corresponds to a graphic user interface (GUI).

Claim 37 (original) The data processing system of claim 33, wherein said first source position is a position of a predetermined source point icon.

Claim 38 (original) The data processing system of claim 33, wherein said first destination position is a position of a predetermined destination point icon.

Claim 39 (original) The data processing system of claim 33, wherein another of said motion vectors is generated each time said motion starts from a motion stop.

Claim 40 (original) The data processing system of claim 33, wherein said motion vector comprises parameters defining a pointing cursor average velocity, starting position, stopping position, and motion direction.

Claim 41 (original) The data processing system of claim 34, wherein said set of motion vectors are stored in response to actuating said destination point icon.

Claim 42 (previously presented) The data processing system of claim 33, wherein said set of motion vectors are associated with said first source position and source positions proximate to said first source position, and said first destination position and destination positions proximate to said first destination position.

Claim 43 (original) The data processing system of claim 34, wherein said second source position corresponds to a position of a source point icon.

Claim 44 (original) The data processing system of claim 34, wherein said pointing cursor locks to said destination point icon until said destination point icon is actuated by a user.

Claim 45 (original) The data processing system of claim 34, wherein said pointing cursor locks to said destination point icon until a motion vector indicates a more likely destination point icon.

Claim 46 (previously presented) The data processing system of claim 35, wherein said motion of said pointing device proceeds from said first source position to said destination point icon corresponding to an ideal motion vector, said ideal motion vector motion changed only if a new destination point icon is determined..

Claim 47 (cancelled)

Claim 48 (currently amended) ~~The method of claim 47, further comprising the step of:~~ A method for improving a selection of a graphic user interface (GUI) icon with a pointing device, comprising the step of:

predicting, within an application program, a destination point icon by comparing a motion vector imparted by a user to a pointing cursor to a previously acquired motion vector acquired from said user moving said pointing cursor;

highlighting said destination point icon in response to said prediction step until said predicted destination point icon is actuated by said user.

Claims 49-50 (cancelled)

Claim 51 (currently amended) ~~The computer program product of claim 50, further comprising the step of:~~ A computer program product, said computer program product embodied in a machine readable medium, including programming for a processor, said computer program comprising a program of instructions for performing the program step of:

predicting, within an application program, a destination point icon by comparing a motion vector imparted by a user to a pointing cursor to a previously acquired motion vector acquired from said user moving said pointing cursor;

highlighting said destination point icon in response to said prediction step until said predicted destination point icon is actuated by said user.

Claims 52-53 (cancelled)

Claim 54 (currently amended) ~~The data processing system of claim 53, further comprising:~~ A data processing system comprising:

a central processing unit (CPU);

a random access memory (RAM);

a communications adapter coupled to a communication network;

an I/O adapter;

a bus system coupling said CPU to said PROM, said communications adapter, said I/O adapter, and said RAM, wherein said CPU comprises:

circuitry operable to predict, within an application program, a destination point icon by comparing a motion vector imparted by a user to a pointing cursor to a previously acquired motion vector acquired from said user moving said pointing cursor;

circuitry operable to highlight said predicted destination point icon until said predicted destination point icon is actuated by said user

Claim 55 (cancelled)